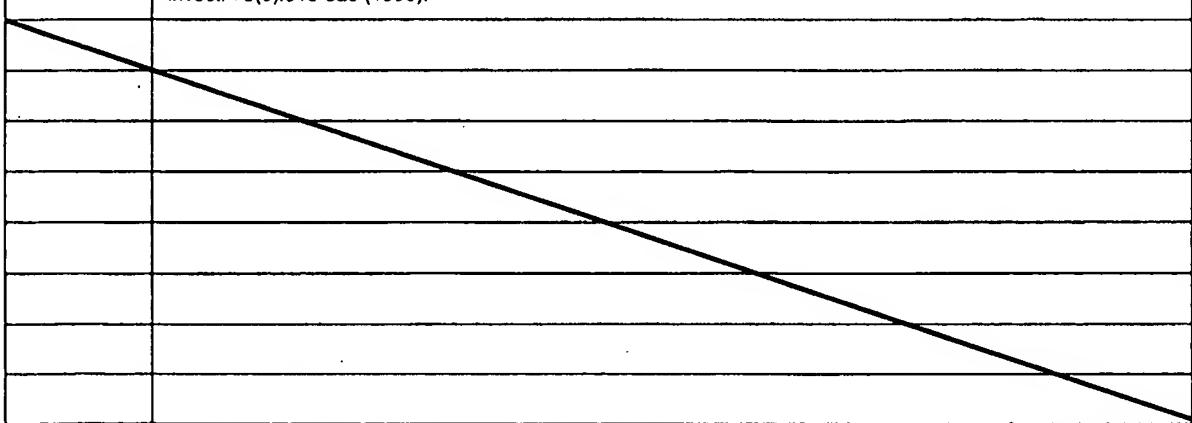


SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No.	50026/054001	
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/546,000	
				Applicant	Hamada et al.	
				Filing Date	August 18, 2005	
				Group	Not Yet Assigned	
		(37 C.F.R. § 1.98(b))		IDS Filed	September 13, 2005	
U.S. PATENTS OR PUBLISHED APPLICATIONS						
Examiner's Initials	Patent or Publication Number	Issue or Publication Date	Applicant/Patentee	Class	Subclass	Filing Date (If Appropriate)
	2004-0234502 A1	Nov. 25, 2004	Hamada et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
	WO 97/27310 A1	Jul. 31, 1997	WIPO			
	WO 02/100441 A2	Dec. 19, 2002	WIPO			Yes
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
	Asahara et al., "Tie2 Receptor Ligands, Angiopoietin-1 and Angiopoietin-2, Modulate VEGF-Induced Postnatal Neovascularization," <i>Circ. Res.</i> 83(3):233-240 (1998).					
	Banai et al., "Upregulation of Vascular Endothelial Growth Factor Expression Induced by Myocardial Ischaemia: Implications for Coronary Angiogenesis," <i>Cardiovasc. Res.</i> 28(8):1176-1179 (1994).					
	Baumgartner et al., "Constitutive Expression of phVEGF <sub>165</sub> after Intramuscular Gene Transfer Promotes Collateral Vessel Development in Patients with Critical Limb Ischemia," <i>Circulation</i> 97(12):1114-1123 (1998).					
	Baumgartner et al., "Lower-Extremity Edema Associated with Gene Transfer of Naked DNA Encoding Vascular Endothelial Growth Factor," <i>Ann. Intern. Med.</i> 132(11):880-884 (2000).					
	Berse et al., "Vascular Permeability Factor (Vascular Endothelial Growth Factor) Gene is Expressed Differentially in Normal Tissues, Macrophages, and Tumors," <i>Mol. Biol. Cell</i> 3(2):211-220 (1992).					
	Carmeliet, "VEGF Gene Therapy: Stimulating Angiogenesis or Angioma-Genesis?" <i>Nat. Med.</i> 6(10):1102-1103 (2000).					
	Chae et al., "Coadministration of Angiopoietin-1 and Vascular Endothelial Growth Factor Enhances Collateral Vascularization," <i>Arterioscler. Thromb. Vasc. Biol.</i> 20(12):2573-2578 (2000).					
	Hattori et al., "Vascular Endothelial Growth Factor and Angiopoietin-1 Stimulate Postnatal Hematopoiesis by Recruitment of Vasculogenic and Hematopoietic Stem Cells," <i>J. Exp. Med.</i> 193(9):1005-1014 (2001).					
	Isner et al., "Treatment of Thromboangiitis Obliterans (Buerger's Disease) by Intramuscular Gene Transfer of Vascular Endothelial Growth Factor: Preliminary Clinical Results," <i>J. Vasc. Surg.</i> 28(6):964-975 (1998).					
	Ladoux and Frelin, "Hypoxia Is a Strong Inducer of Vascular Endothelial Growth Factor mRNA Expression in the Heart," <i>Biochem. Biophys. Res. Comm.</i> 195(2):1005-1010 (1993).					
EXAMINER Kevin K. Hill			DATE CONSIDERED July 19, 2007			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No.	50026/054001
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/546,000
				Applicant	Hamada et al.
				Filing Date	August 18, 2005
				Group	Not Yet Assigned
		(37 C.F.R. § 1.98(b))		IDS Filed	September 13, 2005
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION					
Lathi et al., "Gene Therapy with Vascular Endothelial Growth Factor for Inoperable Coronary Artery Disease: Anesthetic Management and Results," <i>Anesth. Analg.</i> 92(1):19-25 (2001).					
Lee et al., "VEGF Gene Delivery to Myocardium: deleterious Effects of Unregulated Expression," <i>Circulation</i> 102(8):898-901 (2000).					
Li et al., "VEGF, <i>flk-1</i> , and <i>flt-1</i> Expression in a Rat Myocardial Infarction Model of Angiogenesis," <i>Am. J. Physiol.</i> 270(5 Pt. 2):H1803-H1811 (1996).					
Losordo et al., "Gene Therapy for Myocardial Angiogenesis: Initial Clinical Results with Direct Myocardial Injection of phVEGF <sub>165</sub> as Sole Therapy for Myocardial Ischemia," <i>Circulation</i> 98(25):2800-2804 (1998).					
Lubiatowski et al., "Gene Therapy by Adenovirus-Mediated Vascular Endothelial Growth Factor and Angiopoietin-1 Promotes Perfusion of Muscle Flaps," <i>Plast. Reconstr. Surg.</i> 110(1):149-159 (2002).					
Matsuno et al., "Lack of $\alpha$ 2-Antiplasmin Promotes Pulmonary Heart Failure via Overrelease of VEGF after Acute Myocardial Infarction," <i>Blood</i> 100(7):2487-2493 (2002).					
Nykänen et al., "Angiopoietin-1 Protects Against the Development of Cardiac Allograft Arteriosclerosis," <i>Circulation</i> 107(9):1308-1314 (2003).					
Rosengart et al., "Angiogenesis Gene Therapy: Phase I Assessment of Direct Intramyocardial Administration of an Adenovirus Vector Expressing VEGF121 cDNA to Individuals with Clinically Significant Severe Coronary Artery Disease," <i>Circulation</i> 100(5):468-474 (1999).					
<del>Schwarz et al., "Evaluation of the Effects of Intramyocardial Injection of DNA Expressing Vascular Endothelial Growth Factor (VEGF) In a Myocardial Infarction Model in the Rat – Angiogenesis and Angioma Formation," <i>J. Am. Coll. Cardiol.</i> 35(5):1323-1330 (2000).</del>					
Seko et al., "Serum Levels of Vascular Endothelial Growth Factor in Patients with Acute Myocardial Infarction Undergoing Reperfusion Therapy," <i>Clin. Sci. (Lond.)</i> 92(5):453-454 (1997).					
Shyu et al., "Direct Intramuscular Injection of Plasmid DNA Encoding Angiopoietin-1 but Not Angiopoietin-2 Augments Revascularization in the Rabbit Ischemic Hindlimb," <i>Circulation</i> 98(19):2081-2087 (1998).					
Shyu et al., "Synergistic Effect of Angiopoietin-1 and Vascular Endothelial Growth Factor on Neoangiogenesis in Hypercholesterolemic Rabbit Model with Acute Hindlimb Ischemia," <i>Life Sci.</i> 73(5):563-579 (2003).					
Siddiqui et al., "Combination of Angiopoietin-1 and Vascular Endothelial Growth Factor Gene Therapy Enhances Arteriogenesis in the Ischemic Myocardium," <i>Biochem. Biophys. Res. Comm.</i> 310(3):1002-1009 (2003).					
Suda, "Angiogenesis and Clinical Application," <i>Experimental Medicine</i> 19(7):826-829 (2001).					
Symes et al., "Gene Therapy with Vascular Endothelial Growth Factor for Inoperable Coronary Artery Disease," <i>Ann. Thorac. Surg.</i> 68(3):830-837 (1999).					
Taichman et al., "Human Neutrophils Secrete Vascular Endothelial Growth Factor," <i>J. Leukoc. Biol.</i> 62(3):397-400 (1997).					
EXAMINER <b>Kevin K. Hill</b>			DATE CONSIDERED <b>July 19, 2007</b>		
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.					

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No.	50026/054001
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/546,000
				Applicant	Hamada et al.
				Filing Date	August 18, 2005
				Group	Not Yet Assigned
				IDS Filed	September 13, 2005
(37 C.F.R. § 1.98(b))					
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION					
<p>Takahashi et al., "Adenoviral-Delivered Angiopoietin-1 Reduces the Infarction and Attenuates the Progression of Cardiac Dysfunction in Rat Model of Acute Myocardial Infarction," <i>Mol. Ther.</i> 8(4):584-592 (2003).</p>					
<p>Takakura et al., "A Role for Hematopoietic Stem Cells in Promoting Angiogenesis," <i>Cell</i> 102(2):199-209 (2000).</p>					
<p>Takeshita et al., "Intramuscular Administration of Vascular Endothelial Growth Factor Induces Dose-Dependent Collateral Artery Augmentation in a Rabbit Model of Chronic Limb Ischemia," <i>Circulation</i> 90(5 Part 2):II-228-II-234 (1994).</p>					
<p>Takeshita et al., "Therapeutic Angiogenesis: A Single Intraarterial Bolus of Vascular Endothelial Growth Factor Augments Revascularization in a Rabbit Ischemic Hind Limb Model," <i>J. Clin. Invest.</i> 93(2):662-670 (1994).</p>					
<p>Thurston et al., "Leakage-Resistant Blood Vessels in Mice Transgenically Overexpressing Angiopoietin-1," <i>Science</i> 286(5449):2511-2514 (1999).</p>					
<p>Thurston et al., "Angiopoietin-1 Protects the Adult Vasculature against Plasma Leakage," <i>Nat. Med.</i> 6(4):460-463 (2000).</p>					
<p>Thurston, "Complementary Actions of VEGF and Angiopoietin-1 on Blood Vessel Growth and Leakage," <i>J. Anat.</i> 200(6):575-580 (2002).</p>					
<p>Xu et al., "Expression of Vascular Endothelial Growth Factor and Its Receptors Is Increased, but Microvascular Relaxation Is Impaired in Patients after Acute Myocardial Ischemia," <i>J. Thorac. Cardiovasc. Surg.</i> 121(4):735-742 (2001).</p>					
<p>Yamashita et al., "Flk1-Positive Cells Derived from Embryonic Stem Cells Serve as Vascular Progenitors," <i>Nature</i> 408(6808):92-96 (2000).</p>					
<p>Yonemitsu et al., "Characterization of In Vivo Gene Transfer into the Arterial Wall Mediated by the Sendai Virus (Hemagglutinating Virus of Japan) Liposomes: An Effective Tool for the In Vivo Study of Arterial Diseases," <i>Lab. Invest.</i> 75(3):313-323 (1996).</p>					
<p></p>					
EXAMINER	Kevin K. Hill		DATE CONSIDERED	July 19, 2007	
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.					

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No. 50026/054001
		Serial No. 10/546,000	
		Applicant Hamada et al.	
		Filing Date August 18, 2005	
		Group Not Yet Assigned	
		IDS Filed July 7, 2006	
(37 C.F.R. § 1.98(b))			

U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>
<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>
<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
	Jones et al. "Gene Therapy for Gastric Ulcers With Single Local Injection of Naked DNA Encoding VEGF and Angiopoietin-1," <i>Gastroenterology</i> 121(5): 1040-1047, 2001.					
	Sim et al. "Therapeutic Angiogenesis for Coronary Artery Disease," <i>J. Card. Surg.</i> 17(4): 350-354, 2002.					
	European Search Report from European Patent Application No. 04706870.5, May 11, 2006.					
<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>
<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>
<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>	<del>  </del>

EXAMINER <b>Kevin K. Hill</b>	DATE CONSIDERED <b>July 19, 2007</b>
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No.	50026/054001
				Serial No.	10/546,000
				Applicant	Hanada et al.
				Filing Date	August 18, 2005
				Group	Not yet assigned
(37 C.F.R. § 1.98(b))				IDS Filed	August 22, 2006

U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
	Jin et al., "Recombinant Sendai Virus Provides a Highly Efficient Gene Transfer into Human Cord Blood-Derived Hematopoietic Stem Cells," <i>Gene Ther.</i> 10(3): 272-277, 2003.					
	Kobune et al., "Telomerized Human Multipotent Mesenchymal Cells Can Differentiate into Hematopoietic and Cobblestone Area-Supporting Cells," <i>Exp. Hematol.</i> 31(8): 715-722, 2003.					
	Mah et al., "Virus-Based Gene Delivery Systems," <i>Clin. Pharmacokinet.</i> 41(12): 901-911, 2002.					
	Moyon et al., "Selective Expression of Angiopoietin 1 and 2 in Mesenchymal Cells Surrounding Veins and Arteries of the Avian Embryo," <i>Mech. Dev.</i> 106(1-2): 133-136, 2001.					
	Okano et al., "Recombinant Sendai Virus Vectors for Activated T Lymphocytes," <i>Gene Ther.</i> 10(16): 1381-1391, 2003.					
	Shiotani et al., "Skeletal Muscle Regeneration after Insulin-Like Growth Factor I Gene Transfer by Recombinant Sendai Virus Vector," <i>Gene Ther.</i> 8(14): 1043-1050, 2001.					
	Suri et al., "Requisite Role of Angiopoietin-1, a Ligand for the TIE2 Receptor, during Embryonic Angiogenesis," <i>Cell</i> 87(7): 1171-1180, 1996.					
Dup.	Takahashi et al., "Adenoviral-Delivered Angiopoietin-1 Reduces the Infarction and Attenuates the Progression of Cardiac Dysfunction in the Rat Model of Acute Myocardial Infarction," <i>Mol. Ther.</i> 8(4): 584-592, 2003.					
	Tsuda et al., "Efficient BMP2 Gene Transfer and Bone Formation of Mesenchymal Stem Cells by a Fiber-Mutant Adenoviral Vector," <i>Mol. Ther.</i> 7(3): 354-365, 2003.					
	European Search Report from European Patent Application No. 04706870.5, July 20, 2006.					

EXAMINER <b>Kevin K. Hill</b>	DATE CONSIDERED <b>July 19, 2007</b>
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Attorney Docket No.	50026/054001
		Serial No.	10/546,000
		Applicant	HAMADA et al.
		Filing Date	June 14, 2006
		Group	1633
(37 C.F.R. § 1.98(b))		IDS Filed	June 11, 2007

U.S. PATENT DOCUMENTS			
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION				
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Translation (Yes/No)
	CN 1353185, A	June 12, 2002	China Patent Office	English abstract

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	

EXAMINER	Kevin K. Hill	DATE CONSIDERED	July 19, 2007
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.			